

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of APS and CPS on the East leg of the intersection. As well, the signal heads will be upgraded to LED's.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 3-phase, semi-actuated mode, with a phase 04 pushbutton activated crossing on the East leg of the intersection

PUSHBUTTON OPERATION

EAST LEG WAIT MESSAGE: WAIT TO CROSS CENTRAL AT CAPITAL HEIGHTS
EAST LEG WALK MESSAGE: RAPID TICK

NOTES

- All pavement markings shall be installed in accordance with Administration standards.
- The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly label each cable.
- All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02 and MD 818.04 Standard Plates. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.
- Pushbuttons are to be located so that they can be activated by a person in a wheelchair from a 60"x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
- The 10' separation between pushbuttons is to be measured from the face of the pushbutton to the face of the pushbutton, not from the face of the pole to the face of the pole.
- The pushbuttons are to be located so that a person in a wheel chair located on the level landing area does not have to reach more than 18".
- The location of Accessible Pedestrian Signal Pushbuttons, must meet the location requirements of MUTCD Sec. 4E-09 and Figure 4E-2 and the NCHRP publication, "Accessible Pedestrian Signals: Guide To Best Practice". If not met, the contractor is to stop work on pushbutton locations until the conflict is resolved. If necessary a design waiver shall be obtained signed by the Director, Office of Traffic and Safety.
- Pushbuttons shall be installed parallel to the crosswalk for which they are intended.

CONTACTS

DISTRICT

OFFICE OF TRAFFIC AND SAFETY

MR. BRIAN YOUNG
ASSISTANT DISTRICT ENGINEER - TRAFFIC
1-301-513-7409

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
1-301-513-7350

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
1-301-513-7304

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
1001	1.875 SF	SHEET ALUMINUM SIGN - 2 EA 9"x15" R10-3(1) PUSHBUTTON TO CROSS CENTRAL AVENUE

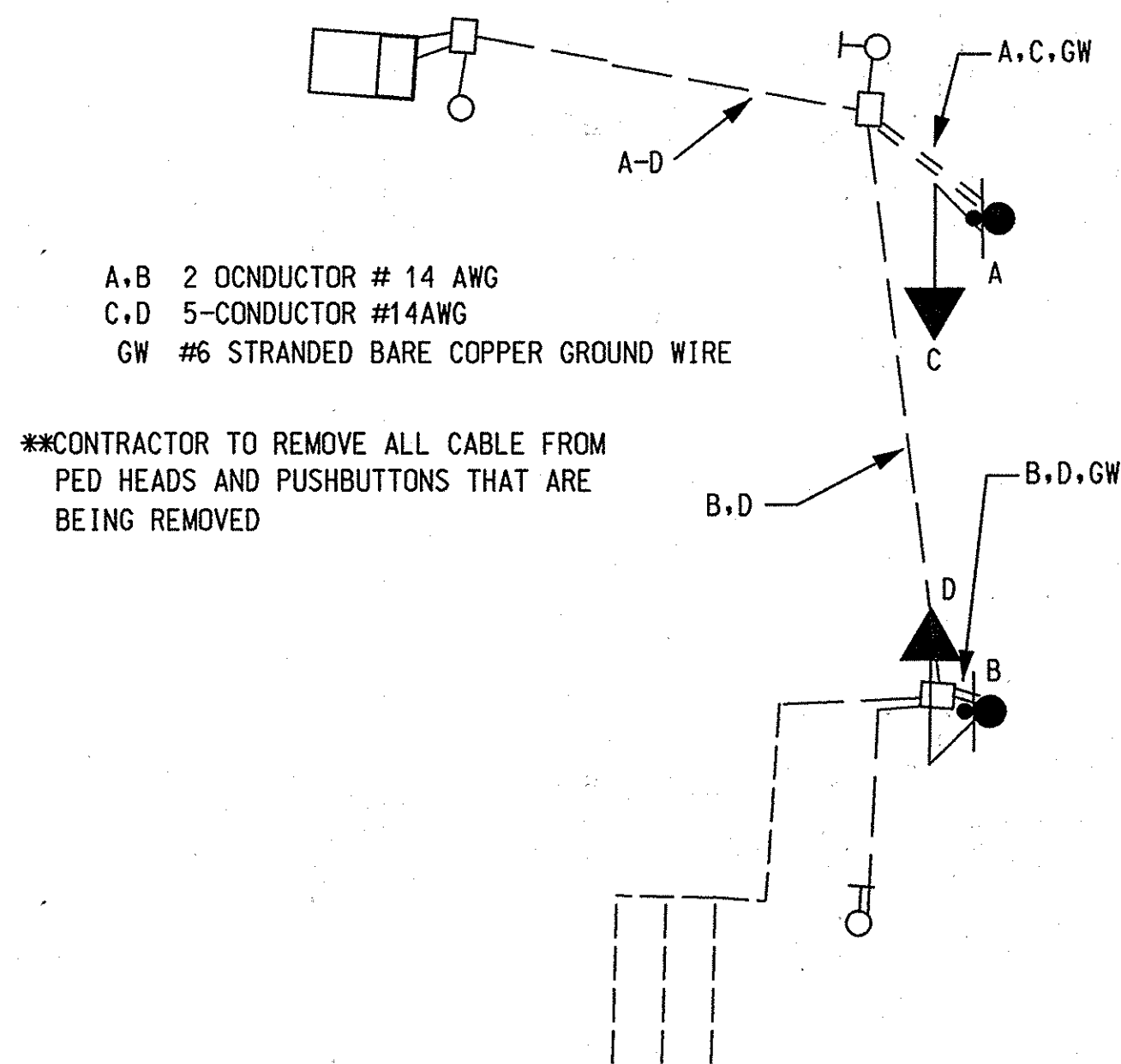
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC
5004	275 LF	F&I 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5005	40 LF	F&I 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5007	110 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS-ANY WIDTH
6002	400 SF	F&I 5" CONCRETE SIDEWALK
8001	1 EA	F&I 2 WIRE CENTRAL CONTROL UNIT
8007	2 EA	F&I AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8008	2 EA	F&I BREAKAWAY PEDESTAL POLE-ANY SIZE
8013	2 EA	F&I LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD
8014	18 EA	F&I LED SIGNAL HEAD MODULES (ANY SIZE)
8021	1 EA	REMOVE AND DISPOSE OF EQUIPMENT-PER ASSIGNMENT
8035	14 LF	F&I UP TO 4" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8037	60 SF	F&I DETECTABLE WARNING SURFACES

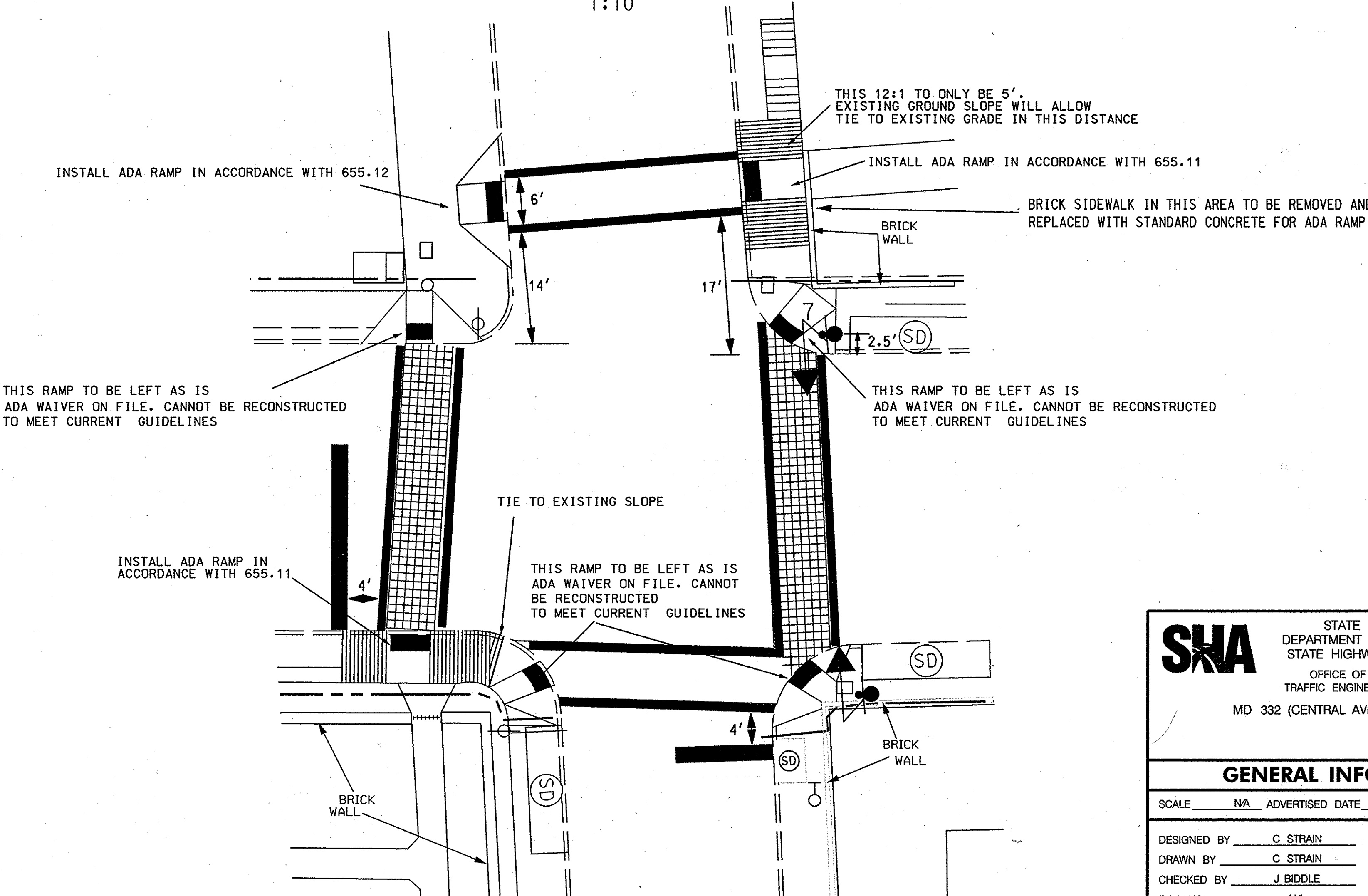
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
8039	40 SF	REMOVE AND RESET DECORATIVE BRICK
8040	25 LF	F&I NO 6 AWG STRANDED BARE COPPER GROUND WIRE
8054	200 LF	F&I ELECTRICAL CABLE-2 CONDUCTOR (NO 14 AWG)
8056	200 LF	F&I ELECTRICAL CABLE-5 CONDUCTOR (NO 14 AWG)

WIRING DIAGRAM



RAMP DETAILS
1:10



SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 332 (CENTRAL AVE) @ CAPITAL HEIGHTS BLVD

GENERAL INFORMATION SHEET

SCALE NA ADVERTISED DATE CONTRACT NO.

DESIGNED BY C STRAIN COUNTY PRINCE GEORGE'S

DRAWN BY C STRAIN LOGMILE 16033200.28

CHECKED BY J BIDDLE TMS NO. 1187

F.A.P. NO. NA TOD NO.

TS NO. 3872B-GI DRAWING OF SHEET NO. 2 OF 2

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